



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-09-05-15
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Providing and Laying of Sanitary Pipeline 230mm Dia Glazed Stone Ware and 300mm dia RCC Pipe Line at Kurlappa Layout near Kogilu Road (Ward No:-01) Yelahanka CMC Area.
Agency : Smt.H.E.Shashikala, M/s Sri Shakthi Ganapathi Constructions Company, Hombale No.194, 6th A Main 15th Cross, A Sector 1st Phase, Yelahanka New Town, Bangalore-560064
Customer's Reference : BBMP/EE/YNK.D/EPMT-16/W.O/32/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 17-06-20
Customer ID : RCC
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M25 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 22/06/2020

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	RCC	M25	15/06/2020	22/06/2020	149.42 X 149.97 X 151.35	22409	8.292	530.7	23.7	22.9
2	RCC	M25	15/06/2020	22/06/2020	149.38 X 149.74 X 149.37	22368	8.147	514.2	23.0	
3	RCC	M25	15/06/2020	22/06/2020	151.97 X 151.92 X 151.81	23087	8.844	511.9	22.2	

Note:

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Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 17-06-20
Customer ID : RCC
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M25 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 13/07/2020

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
	RCC	M25	15/06/2020	13/07/2020	150.71 X 149.23 X 149.46	22490	8.797	626.0	27.8	27.7
2	RCC	M25	15/06/2020	13/07/2020	151.94 X 151.38 X 151.93	23001	8.292	620.8	27.0	
3	RCC	M25	15/06/2020	13/07/2020	150.40 X 151.41 X 150.04	22772	8.612	644.7	28.3	

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Customer ID : RCC
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M25 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete C1.5
Date of test : 22/06/2020

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2	RCC	M25	15/06/2020	22/06/2020	149.38 X 149.74 X 149.37	22368	8.147	514.2	23.0	
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Address : Yelahanka Sub Division, BBMP, Bangalore.

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Customer's Reference : BBMP/EE/YNK D/EPMT-16/W.O/32/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 17-06-20

Customer ID : RCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS 516 - 1959 Methods of Tests for Strength of Concrete C1.5

Date of test : 13/07/2020

Date of test		15/07/2020								
SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
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					151.38 X					
					151.93					
3	RCC	M25	15/06/2020	13/07/2020	150.40 X	22772	8.612	644.7	28.3	
					151.41 X					
					150.04					

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QC ABSTRACT

NAME OF WORK: Providing and Laying of Sanitary Pipeline 230mm Dia Glazed Stone Ware and 300mm dia RCC Pipe Line at Kurlappa Layout near Kogilu Road (Ward No:-01) Yelahanka CMC Area.

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
Materials						
1	Cement	Finess by dry sieving	One Test		1	1
		Finess by Air permeability method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
3	Coarse aggregate(20 mm down size)	Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Brick	Compressive Strength	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		EFFLORESCENCE	One Test		1	1
		DIMENSIONS AND TOLERANCES	One Test		1	1
6	PCC(M15)	Compressive Strength(7days and 28days)	4 set /31-50 cum	32.22	8	8
7	RCC(M25)	Compressive Strength(7days and 28days)	4 set /31-50 cum	49	8	8

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

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Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Providing and Laying of Sanitary Pipeline 230mm Dia Glazed Stone Ware and 300mm dia RCC Pipe Line at Kurlappa Layout near Kogilu Road (Ward No.-01) Yelahanka CMC Area.
Agency : Smt.H.E.Shashikala, M/s Sri Shakti Ganapathi Constructions Company, Hombale No.194, 6th A Main 15th Cross, A Sector 1st Phase, Yelahanka New Town, Bangalore-560064
Customer's Reference : BBMP/EE/YNK D/EPMT-16/W.O/32/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 02-06-20
Sample Type : Birla Super 53 grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2,3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, DETERMINATION OF DENSITY, Clause 6
Date of test : 03-06-20
Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.1	—
2	Fineness by Air permeability method ($m^2/kg.Min$)	284.5	225 m^2/kg , Min
3	Density (gm/cc)	3.13	—
4	Standard Consistency (%)	28%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

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Customer's Reference : BBMP/EE/YNK.D/EPMT-16/W O/32/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 08-06-20

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	PCC	M15	06/06/2020	13/06/2020	149.64 X 151.60 X 150.78	22685	8.574	272.8	12.0	12.4
2	PCC	M15	06/06/2020	13/06/2020	151.07 X 150.59 X 149.83	22748	8.369	293.7	12.9	
3	PCC	M15	06/06/2020	13/06/2020	151.84 X 149.46 X 151.06	22694	8.486	275.8	12.2	

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Customer's Reference : BBMP/EE/YNK.D/EPMT-16/W.O/32/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 08-06-20
Customer ID : PCC
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M15 / 7 Days Compressive Strength
Reference to BIS codes : IS. 516 - 1959 Methods of Tests for Strength of Concrete C15
Date of test : 13/06/2020

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
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Sample grade/Age : M25 / 7 Days Compressive Strength
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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2020-09-05-15 Date: 01-07-20
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Providing and Laying of Sanitary Pipeline 230mm Dia Glazed Stone Ware and 300mm dia RCC Pipe Line at Kurlappa Layout near Kogilu Road (Ward No:-01) Yelahanka CMC Area.
Agency : Smt.H.E.Shashikala, M/s Sri Shakthi Ganapathi Constructions Company, Hombale No.194, 6th A Main 15th Cross, A Sector 1st Phase, Yelahanka New Town, Bangalore-560064
Customer's Reference : BBMP/EE/YNK.D/EPMT-16/W.O/32/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 02-06-20
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test : 03-06-20
Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

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AE

Compressive Strength

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm ²	Not less than 27 N/mm ²
2	7 Days	39.0N/mm ²	Not less than 37 N/mm ²
3	28 Days	58.5N/mm ²	Not less than 53 N/mm ²

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate



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R. Rudraprasad
R RUDRAPRASAD
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Technical Manager

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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2020-09-05-15 Date: 05-06-20
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Providing and Laying of Sanitary Pipeline 230mm Dia Glazed Stone Ware and 300mm dia RCC Pipe Line at Kurlappa Layout near Kogilu Road (Ward No:-01) Yelahanka CMC Area.
Agency : Smt.H.E.Shashikala, M/s Sri Shakthi Ganapathi Constructions Company, Hombale No.194, 6th A Main 15th Cross, A Sector 1st Phase, Yelahanka New Town, Bangalore-560064
Customer's Reference : BBMP/EE/YNK.D/EPMT-16/W.O/32/2020-21
Source of Sample : Sample supplied by Agency
Sample condition : Satisfactory
Date of Receipt : 02-06-20
Sample Type : 40mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 02-06-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	214	214	1.4	98.6	90-100
3	20 mm	7254	7468	49.8	50.2	30-70
4	10 mm	4442	11910	79.4	20.6	10-35
5	4.75 mm	2685	14595	97.3	2.7	0-5
6	Pan	405	15000	100.0	0	---

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Signature

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2020-09-05-15 Date: 04-06-20
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Providing and Laying of Sanitary Pipeline 230mm Dia Glazed Stone Ware and 300mm dia RCC Pipe Line at Kurlappa Layout near Kogilu Road (Ward No:-01) Yelahanka CMC Area.
Agency : Smt.H.E.Shashikala, M/s Sri Shakthi Ganapathi Constructions Company, Hombale No.194, 6th A Main 15th Cross, A Sector 1st Phase, Yelahanka New Town, Bangalore-560064
Customer Reference : BBMP/EE/YNK.D/EPMT-16/W.O/32/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 02-06-20
Sample Type/ Size : 20mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 02-06-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	237	237	4.7	95.3	90-100
3	10 mm	2544	2781	55.6	44.4	25-55
4	4.75 mm	2107	4888	97.8	2.2	0-10
5	Pan	112	5000	100	0	-





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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2020-09-05-15 Date: 04-06-20
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Providing and Laying of Sanitary Pipeline 230mm Dia Glazed Stone Ware and 300mm dia RCC Pipe Line at Kurlappa Layout near Kogilu Road (Ward No:-01) Yelahanka CMC Area.
Agency : Smt.H.E.Shashikala, M/s Sri Shakthi Ganapathi Constructions Company, Hombale No.194, 6th A Main 15th Cross, A Sector 1st Phase, Yelahanka New Town, Bangalore-560064
Customer's Reference : BBMP/EE/YNK.D/EPMT-16/W.O/32/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 02-06-20
Sample Type : Fine Aggregate
Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
Date of test : 02-06-20
Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result : The tested Sample Conforms to Grading Zone II

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Certificate No.: TC-5548

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TEST REPORT OF PHYSICAL REQUIREMENTS OF BRICKS

Lab ID : CP-2020-09-05-15 Date: 06-01-00
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Providing and Laying of Sanitary Pipeline 230mm Dia Glazed Stone Ware and 300mm dia RCC Pipe Line at Kurlappa Layout near Kogilu Road (Ward No:-01) Yelahanka CMC Area.
Agency : Smt.H.E.Shashikala, M/s Sri Shakthi Ganapathi Constructions Company, Hombale No.194, 6th A Main 15th Cross, A Sector 1st Phase, Yelahanka New Town, Bangalore-560064
Customer's Reference : BBMP/EE/YNK.D/EPMT-16/W.O/32/2020-21
Source of sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 00-01-00
Identification Mark on Brick : Wire Cut Brick
Reference to BIS codes : IS 1077 : 1992(RA 2011) Common Burnt Clay Building Bricks- Specification
IS 3495 (Part 1 to 3) : 1992(RA 2011)
Method of Tests Burnt Clay Building Bricks
Part 1: Determination of Compressive Strength, (CI 4.2.3)
Part 2: Determination of Water Absorption, (CI 4.1.3)
Part 3: Determination of Efflorescence, (CI 4)
Date of test : 00-01-00

COMPRESSIVE STRENGTH

Sl.No.	Length (mm)	Breadth (mm)	Area (mm ²)	Failure Load (KN)	Compressive strength of individual bricks (N/mm ²)	Acceptability as per IS 1077:1992, Clause 7.1
1	228.13	109.98	25090	206.7	8.2	The bricks shall have a minimum average compressive strength for various classes as given in Table 1 of IS 1077: 1992. The compressive strength of any individual bricks shall not fall below the minimum compressive strength specified for the corresponding class of brick by more than 15%.
2	228.98	108.62	24872	197.6	7.9	
3	231.01	107.99	24947	201.3	8.1	
4	230.11	107.54	24746	199.5	8.1	
5	228.16	106.98	24409	194.6	8.0	
Average of 5 bricks					8.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-09-05-15 Date: 13/06/2020
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Providing and Laying of Sanitary Pipeline 230mm Dia Glazed Stone Ware and 300mm dia RCC Pipe Line at Kurlappa Layout near Kogilu Road (Ward No-01) Yelahanka CMC Area.
Agency : Smt.H.E.Shashikala, M/s Sri Shakthi Ganapathi Constructions Company, Hombale No.194, 6th A Main 15th Cross, A Sector 1st Phase, Yelahanka New Town, Bangalore-560064
Customer's Reference : BBMP/EE/YNK.D/EPMT-16/W.O/32/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 08-06-20
Customer ID : PCC
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M15 / 7 Days Compressive Strength
Reference to BIS codes : IS. 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 13/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	PCC	M15	06/06/2020	13/06/2020	149.64 X 151.60 X 150.78	22685	8.574	272.8	12.0	12.4
2	PCC	M15	06/06/2020	13/06/2020	151.07 X 150.59 X 149.83	22748	8.369	293.7	12.9	
3	PCC	M15	06/06/2020	13/06/2020	151.84 X 149.46 X 151.06	22694	8.486	275.8	12.2	

Note:

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Authorized Signatory
Technical Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-09-05-15 Date: 13/06/2020
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Providing and Laying of Sanitary Pipeline 230mm Dia Glazed Stone Ware and 300mm dia RCC Pipe Line at Kurlappa Layout near Kogilu Road (Ward No:-01) Yelahanka CMC Area.
Agency : Smt.H.E.Shashikala, M/s Sri Shakthi Ganapathi Constructions Company, Hombale No.194, 6th A Main 15th Cross, A Sector 1st Phase, Yelahanka New Town, Bangalore-560064
Customer's Reference : BBMP/EE/YNK D/EPMT-16/W O/32/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 08-06-20
Customer ID : PCC
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M15 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete C15
Date of test : 13/06/2020

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	PCC	M15	06/06/2020	13/06/2020	149.64 X 151.60 X 150.78	22685	8.574	272.8	12.0	12.4
2	PCC	M15	06/06/2020	13/06/2020	151.07 X 150.59 X 149.83	22748	8.369	293.7	12.9	
3	PCC	M15	06/06/2020	13/06/2020	151.84 X 149.46 X 151.06	22694	8.486	275.8	12.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-09-05-15 Date: 04/07/2020

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Providing and Laying of Sanitary Pipeline 230mm Dia Glazed Stone Ware and 300mm dia RCC Pipe Line at Kurlappa Layout near Kogilu Road (Ward No.-01) Yelahanka CMC Area.

Agency : Smt.H.E.Shashikala, M/s Sri Shakthi Ganapathi Constructions Company, Hornbale No.194, 6th A Main 15th Cross, A Sector 1st Phase, Yelahanka New Town, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-16/W O/32/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 08-06-20

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS. 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 04/07/2020

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	PCC	M15	06/06/2020	04/07/2020	149.91 X 151.47 X 149.29	22707	8.666	392.3	17.3	17.4
2	PCC	M15	06/06/2020	04/07/2020	151.79 X 150.03 X 149.01	22773	9.043	402.8	17.7	
3	PCC	M15	06/06/2020	04/07/2020	151.84 X 151.43 X 149.92	22994	8.866	393.2	17.1	

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